

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sims et al. Art Unit : 3766  
Serial No. : 10/595,672 Examiner : Unknown  
Filed : January 7, 2009 Conf. No. : 4409  
Title : LIFE SIGN DETECTION AND HEALTH STATE ASSESSMENT SYSTEM

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

REQUEST TO CORRECT INVENTORSHIP UNDER 37 C.F.R. §1.48

Please amend the inventorship of the above-captioned application by adding inventors

**REED J. HOYT, MARK J. BULLER and JOHN S. AMES.** Thus, the inventorship entity will change from NATHANIEL M. SIMS, NHEDTI COLQUITT, MICHAEL WOLLOWITZ, MATT HICKCOX and MICHAEL DEMPSEY to **NATHANIEL M. SIMS, NHEDTI COLQUITT, MICHAEL WOLLOWITZ, MATT HICKCOX, MICHAEL DEMPSEY, REED J. HOYT, MARK J. BULLER and JOHN S. AMES.** The error in inventorship occurred without any deceptive intent on the part of the persons who were not named as inventors.

The required items under 37 C.F.R. §1.48 are being filed herewith:

1. A Statement by each inventor being added, **REED J. HOYT, MARK J. BULLER and JOHN S. AMES**, as required by 37 CFR 1.48(a)(2);
2. A Declaration by **NATHANIEL M. SIMS, NHEDTI COLQUITT, MICHAEL WOLLOWITZ, MATT HICKCOX, MICHAEL DEMPSEY, REED J. HOYT, MARK J. BULLER and JOHN S. AMES**, as required by 37 CFR 1.48(a)(3);
3. The processing fee as required by 37 CFR 1.48(a)(4); and
4. A Written Consent by the Assignees as required by 37 CFR 1.48(a)(5).

Applicant : Sims et al.  
Serial No. : 10/595,672  
Filed : January 7, 2009  
Page : 2 of 2

Attorney's Docket No.: 00786-0759US1 / MGH  
02357.02

The processing fee in the amount of \$130 set forth in §1.17(i) is being paid concurrently herewith on the Electronic Filing System (EFS) by way of Deposit Account authorization. Please apply any other credits or charges to Deposit Account No. 06-1050.

Respectfully submitted,

Date:August 12, 2011

/Alex Chan/

Alex Chan  
Reg. No. 52,713

Customer Number 26181  
Fish & Richardson P.C.  
Telephone: (650) 839-5070  
Facsimile: (877) 769-7945

50778303.doc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sims et al. Art Unit : 3769  
Serial No. : 10/595,672 Examiner : SORIANO, BOBBY GILES  
Filed : January 7, 2009 Conf. No. : 4409  
Title : LIFE SIGN DETECTION AND HEALTH STATE ASSESSMENT SYSTEM

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

STATEMENT OF INVENTOR TO BE ADDED

I, REED W. HOYT, hereby declare:

1. That I am an original inventor of the patent application referenced above.
2. That through error, without any deceptive intention on my part, the above-captioned application was filed naming NATHANIEL M. SIMS, NHEDTI COLQUITT, MICHAEL WOLLOWITZ, MATT HICKCOX, and MICHAEL DEMPSEY, rather than NATHANIEL M. SIMS, NHEDTI COLQUITT, MICHAEL WOLLOWITZ, MATT HICKCOX, MICHAEL DEMPSEY, REED W. HOYT, MARK J. BULLER and JOHN S. AMES. This error was discovered after the application was filed.
3. That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Applicant: Sims et al.  
Serial No.: 10/595,672  
Filed: January 7, 2009  
Page: 2 of 2

Attorney's Docket No.: 00786-0759US1 / MGH  
02337.07

Date: Oct 21, 2010

  
REED W. HOYT

Title: Research Physiologist

Fish & Richardson P.C.  
Customer No. 26161  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

32426841.doc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sims et al. Art Unit : 3769  
Serial No. : 10/595,672 Examiner : SORIANO, BOBBY GILES  
Filed : January 7, 2009 Conf. No. : 4409  
Title : LIFE SIGN DETECTION AND HEALTH STATE ASSESSMENT SYSTEM

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

STATEMENT OF INVENTOR TO BE ADDED

I, MARK J. BULLER, hereby declare:

1. That I am an original inventor of the patent application referenced above.
2. That through error, without any deceptive intention on my part, the above-captioned application was filed naming NATHANIEL M. SIMS, NHEDTI COLQUITT, MICHAEL WOLLOWITZ, MATT HICKCOX, and MICHAEL DEMPSEY, rather than NATHANIEL M. SIMS, NHEDTI COLQUITT, MICHAEL WOLLOWITZ, MATT HICKCOX, MICHAEL DEMPSEY, REED J. HOYT, MARK J. BULLER and JOHN S. AMES. This error was discovered after the application was filed.
3. That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Applicant : Sims et al.  
Serial No. : 10/393,672  
Filed : January 7, 2009  
Page : 2 of 2

Attorney's Docket No.: 00786-0759US1 / MGE  
02357.07

Date: 1/1/2010

  
MARK J. BULLER

Title: Principal Investigator

Fish & Richardson P.C.  
Customer No. 26161  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

22476455.doc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sims et al. Art Unit : 3769  
Serial No. : 10/595,672 Examiner : SORIANO, BOBBY GILES  
Filed : January 7, 2009 Conf. No. : 4409  
Title : LIFE SIGN DETECTION AND HEALTH STATE ASSESSMENT SYSTEM

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

STATEMENT OF INVENTOR TO BE ADDED

I, JOHN S. AMES, hereby declare:

1. That I am an original inventor of the patent application referenced above.
2. During the period of invention I was employed by Bulfinch (MGH), Kelly (the Government) and Dartmouth College.
3. During this period IP was filed by MGH without my knowledge.
4. I was asked to assist in the defense the rights of the Government by the Government.
5. In this defense I produced documents and notes used in the development of this IP to an arbitration process agreed to by the Government and MGH.
6. This information included references to concepts within the public domain.
7. This references as well as prior art were reviewed by the Government and found not to be in conflict with this submission.
8. Subsequent to this period of arbitration, I have provided additional prior art.
9. This prior art has been reviewed by the Government and found not to be in conflict with this submission.
- 10.. That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Applicant : Sims et al.  
Serial No. : 10/595,672  
Filed : January 7, 2009  
Page : 2 of 2

Attorney's Docket No.: 00786-0759US1 / MGH  
02357.07

Date: 1-4-11

  
JOHN S. AMES

Title: researcher

Fish & Richardson P.C.  
Customer No. 26161  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

22426855.doc

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sims et al.	Art Unit : 3769
Serial No. : 10/595,672	Examiner : SORIANO, BOBBY GILES
Filed : January 7, 2009	Conf. No. : 4409
Title : LIFE SIGN DETECTION AND HEALTH STATE ASSESSMENT SYSTEM	

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

CONSENT OF ASSIGNEE TO CHANGE IN INVENTORSHIP

Pursuant to 37 C.F.R. § 3.73(b), GENERAL HOSPITAL CORPORATION, Inc., hereby consents to the change in inventorship filed herewith, adding REED J. HOYT, MARK J. BULLER, AND JOHN S. AMES as inventors to and applicants of the application identified above.

GENERAL HOSPITAL CORPORATION, Inc. certifies that it is a current assignee of 100% of the right, title, and interest in the above application by virtue of assignments from the existing inventors of the patent application identified above. An assignment from inventors NATHANIEL M. SIMS, NHEDTI COLQUITT, MICHAEL WOLLOWITZ, MATT HICKCOX, and MICHAEL DEMPSEY to GENERAL HOSPITAL CORPORATION, Inc. is being filed concurrently with the Assignment Division of the United States Patent and Trademark Office. A copy of said assignment is enclosed herewith.

The undersigned is empowered to act on behalf of Assignee, GENERAL HOSPITAL CORPORATION, Inc.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 00786-0759US1.

## CERTIFICATE OF MAILING BY EFS-WEB FILING

I hereby certify that this paper was filed with the Patent and Trademark Office using the EFS-WEB system on this date:

Applicant : Sims et al.  
Serial No. : 10/595,672  
Filed : January 7, 2009  
Page : 2 of 2

Attorney Docket No.: 00786-0759US1 / MGH  
02357.07

Respectfully submitted,

Date: 1/21/10



GENERAL HOSPITAL CORPORATION, Inc.

By: \_\_\_\_\_  
Title: Richard Stevens  
Director, IP Management Group  
Research Ventures & Licensing

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sims et al. Art Unit : 3769  
Serial No. : 19/595,672 Examiner : SORIANG, BOBBY GILES  
Filed : January 7, 2009 Conf. No. : 4409  
Title : LIFE SIGN DETECTION AND HEALTH STATE ASSESSMENT SYSTEM

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CONSENT OF ASSIGNEE TO CHANGE IN INVENTORSHIP

Pursuant to 37 C.F.R. § 3.73(b), the Government of the United States of America, as represented by the Secretary of the Army, hereby consents to the change in inventorship filed herewith, adding REED J. HOYT, MARK J. BULLER, AND JOHN S. AMES as inventors to and applicants of the application identified above.

An assignment from inventors MARK J. BULLER, REED W. HOYT and JOHN S. AMES to the Government of the United States of America, as represented by the Secretary of the Army, is being filed concurrently with the Assignment Division of the United States Patent and Trademark Office. A copy of said assignment is enclosed herewith.

The undersigned is empowered to act on behalf of Assignee, the Government of the United States of America, as represented by the Secretary of the Army.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 101 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Applicant : Sims et al.  
Serial No. : 10/593,672  
Filed : January 7, 2009  
Page : 2 of 2

Attorney Docket No.: 00786-0739US1 / MOH-  
02537.07

Please apply any charges or credits to Deposit Account No. 06-1050, referencing  
Attorney Docket No. 00786-0739US1.

Respectfully submitted,

Date: 6/23/2011

  
THE GOVERNMENT OF THE UNITED  
STATES OF AMERICA

By: Marcus A. Freijo

Title: Patent Counsel